



## Female cordset

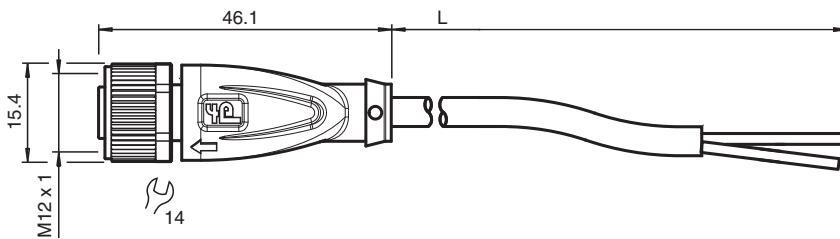
V1-G-BK7M-PUR-U-Y260704

- Suitable for drag chains and abrasion resistant
- Suitable for robotic applications / torsion resistant
- Degree of protection IP68 / IP69
- Free of paint wetting interfering substances
- Resistant to microbes and hydrolysis
- UV resistant
- UL listed for USA and Canada
- Halogen-free
- Specific design protects against loosening and inaccurate installation
- Customer-specific configuration

Female cordset single-ended M12 straight A-coded, 2-pin, PUR cable black, UL approved, drag chain suitable, torsion resistant



### Dimensions



### Technical Data

#### General specifications

Customization	Stripped length 500 mm , with connector sleeves	
Connector 1		
Connection	socket	
Construction type	M12	
Style	straight	
Locking	screw connection	
Number of pins	2	
Coding	A-coded	
Connector 2		
Connection	cable end	

#### Electrical specifications

Operating voltage	$U_B$	max. 250 V AC/DC
Operating current	$I_B$	max. 4 A

#### Conformity

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## Technical Data

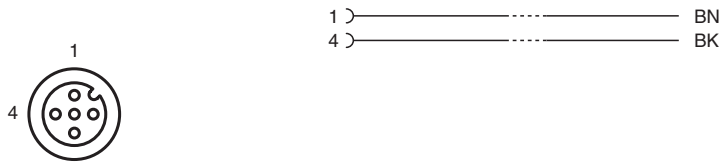
Degree of protection	EN 60529	
Plug connection	connector M12 x 1 : IEC 61076-2-101	
Flammability	UL 1581; DIN EN 60332-2-2	
Halogen-free	IEC 60754-1	
<b>Approvals and certificates</b>		
UL approval	AWM STYLE 20549 AWM I/II A/B 80°C 300V FT2 (cable)	
UL File Number	E231213	
<b>Ambient conditions</b>		
Ambient temperature		
Plug connector	-40 ... 90 °C (-40 ... 194 °F)	
Cable, fixed	-40 ... 80 °C (-40 ... 176 °F)	
Cable, flexing	-20 ... 80 °C (-4 ... 176 °F)	
Pollution degree	3	
<b>Mechanical specifications</b>		
Plug connector		
Tightening torque	0.6 Nm	
Loosening protection	available	
Tool installation	straight knurling and hexagon nut SW = 14 mm	
Mating cycles	min. 100	
Degree of protection	IP68 / IP69	
Cable		
Sheath diameter	4.3 mm	
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed	
Sheath stripping force	max. 80 N / 300 mm	
Sheath color	black (similar to RAL 9005)	
Number of cores	3	
Core cross section	0.34 mm <sup>2</sup>	
Cores color	Core 1: brown Core 3: not used Core 4: black	
Core construction	42 x 0.1 mm Ø	
Length	L	7 m
Cable code	Li 9Y 11Y 3 x 0.34	
Drag chain suitability		
Drag chain cycles	min. 5000000	
Motion velocity	max. 3.3 m/s	
Traverse distance	max. 5 m	
Acceleration	max. 5 m/s <sup>2</sup>	
Torsion cycles	min. 1000000	
Torsional stress	± 180 °/m	
<b>Material</b>		
PWIS free	yes	
Halogen-free	yes	
Plug connector		
Screw connection	Zinc diecast, nickel-plated	
Body	TPU, black	
Seal	FKM	
Contact surface	Au	
Flammability	V-2	
Cable		
Sheathing	PUR based on polyether	
Core insulation	PP	
UV resistance	yes	

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**Technical Data**

Chemical resistance	good
Oil resistance	yes
Cooling lubricant resistance	yes
Microbial resistance	yes
Hydrolysis resistance	yes
Flammability	FT2

**Connection Assignment**



**Accessories**

	<b>MH V1-SCREWDRIVER</b>	torque screwdriver (0.6 Nm)
	<b>MH V1-BIT M12</b>	plug-in cap M12
	<b>V1/V3-LABELHOLDER</b>	Label holder
	<b>V1/V3-LABEL</b>	Label plate
	<b>MH V1-Holder</b>	Modular universal holder for M12 connectors
	<b>V1-CLIP</b>	Unlocking protector for M12 connector
	<b>V1-MARKING-RING-COLOR</b>	Marking rings for M12 connectors, various colors

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